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FILE 'HOME' ENTERED AT 10:30:55 ON 30 SEP 2003

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FILE 'MEDLINE' ENTERED AT 10:31:25 ON 30 SEP 2003

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=> s hawkins phillip /au

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=> s GIPL

L3218 GIPL

=> dup rem l1

PROCESSING COMPLETED FOR L1

7 DUP REM L1 (6 DUPLICATES REMOVED)

=> d l4 total ibib

ANSWER 1 OF 7 MEDLINE on STN DUPLICATE 1

ACCESSION NUMBER: 2002376138 MEDLINE

DOCUMENT NUMBER: PubMed ID: 12121613 22117189

TITLE: Activation of phosphoinositide 3-kinase gamma by Ras. AUTHOR:

Suire Sabine; Hawkins Phillip; Stephens Len

CORPORATE SOURCE: Inositide Laboratory, The Babraham Institute, CB2 4AT

Cambridge, United Kingdom.

SOURCE: CURRENT BIOLOGY, (2002 Jul 9) 12 (13) 1068-75.

Journal code: 9107782. ISSN: 0960-9822.

PUB. COUNTRY: England: United Kingdom

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200302

ENTRY DATE: Entered STN: 20020718

Last Updated on STN: 20030205 Entered Medline: 20030204

ANSWER 2 OF 7

MEDLINE on STN DUPLICATE 2

ACCESSION NUMBER: 2002159324 MEDLINE

DOCUMENT NUMBER: 21888450 PubMed ID: 11891120

TITLE:

Roles of PI3Ks in leukocyte chemotaxis and phagocytosis. AUTHOR:

Stephens Len; Ellson Chris; Hawkins Phillip

CORPORATE SOURCE: The Babraham Institute, Babraham, Cambridge CB2 4AT, UK..

len.stephens@bbsrc.ac.uk

SOURCE: CURRENT OPINION IN CELL BIOLOGY, (2002 Apr) 14 (2) 203-13.

Journal code: 8913428. ISSN: 0955-0674.

PUB. COUNTRY:

United States

DOCUMENT TYPE:

Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)

(REVIEW, ACADEMIC)

LANGUAGE:

English

FILE SEGMENT:

Priority Journals

ENTRY MONTH:

200207

ENTRY DATE:

Entered STN: 20020314

Last Updated on STN: 20020727 Entered Medline: 20020726

ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER:

1995:501942 CAPLUS

DOCUMENT NUMBER:

122:231732

TITLE:

PDGF stimulates an increase in GTP-Rac via activation

of phosphoinositide 3-kinase

AUTHOR (S):

Hawkins, Phillip; Eguinoa, Alicia; Qiu,

Rong-Guo; Stokoe, David; Cooke, Frank T.; Walters, Rhodri; Wennstroem, Stefan; Claesson-Welsh, Lena;

Evans, Tony; et al.

CORPORATE SOURCE: SOURCE:

The Babraham Inst., Cambridge, CB2 4AT, UK

Current Biology (1995), 5(4), 393-403

CODEN: CUBLE2; ISSN: 0960-9822 Current Biology

PUBLISHER:

Journal

DOCUMENT TYPE: LANGUAGE:

English

L4 ANSWER 4 OF 7 BIOSIS

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DUPLICATE 3

ACCESSION NUMBER:

1995:154224 BIOSIS PREV199598168524

DOCUMENT NUMBER: TITLE:

Activation of the small GTP-binding proteins rho and rac by

growth factor receptors.

AUTHOR (S):

Nobes, Catherine D.; Hawkins, Phillip; Stephens,

Lens; Hall, Alan (1)

CORPORATE SOURCE:

(1) CRC Signal Transduction Oncogene Group, MRC Lab.

Molecular Cell Biol., Univ. Coll. London, London WC1E 6BT

SOURCE:

Journal of Cell Science, (1995) Vol. 108, No. 1, pp.

225-233.

ISSN: 0021-9533.

DOCUMENT TYPE:

Article

LANGUAGE:

English

ANSWER 5 OF 7 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 4

ACCESSION NUMBER:

1994:296238 BIOSIS

DOCUMENT NUMBER:

PREV199497309238

TITLE:

Activation of phosphoinositide 3-kinase is required for

PDGF-stimulated membrane ruffling.

AUTHOR (S):

Wennstrom, Stefan; Hawkins, Phillip; Cooke,

Frank; Hara, Kenta; Yonezawa, Kazuyoshi; Kasuga, Masato; Jackson, Trevor; Claesson-Welsh, Lena; Stephens, Len (1)

CORPORATE SOURCE:

(1) Dep. Dev. Signalling, AFRC Babraham Inst., Cambridge

CB2 4AT UK

SOURCE:

Current Biology, (1994) Vol. 4, No. 5, pp. 385-393.

ISSN: 0960-9822.

DOCUMENT TYPE:

Article

LANGUAGE:

English

ANSWER 6 OF 7

CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER:

1991:469063 CAPLUS

DOCUMENT NUMBER:

115:69063

TITLE:

Inositol hexakisphosphate-membranes interactions: the

role of metal ions

AUTHOR (S): Cooke, Frank; Poyner, David; Hawkins, Phillip

; Erlebach, Christopher B.; Hanley, Michael

Lab. Mol. Biol., MRC Cent., Cambridge, CB2 2QH, UK CORPORATE SOURCE: SOURCE:

Biochemical Society Transactions (1991), 19(2), 152S

CODEN: BCSTB5; ISSN: 0300-5127

DOCUMENT TYPE:

Journal English

LANGUAGE:

ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN . L4

ACCESSION NUMBER:

1990:418445 CAPLUS

DOCUMENT NUMBER:

113:18445

TITLE:

Phosphatidylinositol-3-phosphate and inositol

phosphates in mitogenesis

AUTHOR (S):

Poyner, David; Hawkins, Phillip; Hanley,

Michael

CORPORATE SOURCE:

Med. Sch., Univ. Cambridge, Cambridge, CB2 2QH, UK Biochemical Society Transactions (1990), 18(3), 450-1

CODEN: BCSTB5; ISSN: 0300-5127

DOCUMENT TYPE:

Journal

LANGUAGE:

SOURCE:

English

Sequence Comparison A

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RESULT 10
 PCT-US93-00643-11
 ; Sequence 11, Application PC/TUS9300643
 ; GENERAL INFORMATION:
      APPLICANT: Baylink, David J.
APPLICANT: Linkhart, Susan
      TITLE OF INVENTION: AMINO PROCOLLAGEN 1(I) PEPTIDES
      NUMBER OF SEQUENCES: 11
      CORRESPONDENCE ADDRESS:
        ADDRESSEE: Townsend and Townsend
        STREET: One Market Plaza, Steuart Street Tower
        CITY: San Francisco
        STATE: CA
        COUNTRY: USA
        ZIP: 94105-1492
      COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
      CURRENT APPLICATION DATA:
       APPLICATION NUMBER: PCT/US93/00643
        FILING DATE: 19930125
        CLASSIFICATION:
     ATTORNEY/AGENT INFORMATION:
       NAME: Parmelee, Steven W.
       REGISTRATION NUMBER: 31,990
       REFERENCE/DOCKET NUMBER: 14508-3
     TELECOMMUNICATION INFORMATION:
       TELEPHONE: (206) 467-9600
       TELEFAX: (415) 543-5043
   INFORMATION FOR SEQ ID NO: 11:
     SEQUENCE CHARACTERISTICS:
       LENGTH: 160 amino acids
       TYPE: AMINO ACID
       STRANDEDNESS: single
       TOPOLOGY: linear
     MOLECULE TYPE: peptide
PCT-US93-00643-11
  Query Match 2.9%; Score 6; DB 5; Length 160; Best Local Similarity 100.0%; Pred. No. 1.8e+02;
            6; Conservative 0; Mismatches
                                                   0; Indels
                                                                    0; Gaps
                                                                                 0;
Qу
      182 PGAEVP 187
          111111
Db
       82 PGAEVP 87
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09875520 Results

SEQ ID NO: 2 oligo

SUMMARIES

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Result No.	Score	Query Match	Length	DB	ID	Description
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	8 8 8 7 7 7 7 7 7 7 7 7 7 7	3.9 3.9 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4 3.4	133 340 436 114 150 151 185 193 236 254 258 309 316 323 331 336 360 422	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	B82977 T28686 T28066 JC5860 D83864 A69551 T34245 S12676 C75374 A84823 T30675 S69056 F83605 F87260 E95864 T18247 E96814 S36750 T12786	conserved hypothet hypothetical prote hypothetical prote polyketide synthas hypothetical prote conserved hypothet hypothetical prote hypothetical prote hypothetical prote santhine phosphori hypothetical prote probable 28k struc histone H1 - yeast probable permease WecB/TagA/CpsF fam probable ABC trans transcription regu hypothetical prote cannabinoid recept conserved hypothet
	•	3.4	520	2	S74497	hypothetical prote

SUMMARIES

		*				
Result		Query				
No.	Score	Match	Length	DB	ID	Description
1 2 3 4 5 6 7 9 10 11 12 13 14 15 16 17	7 7 7 7 7 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3.4 3.4 3.4 3.4 3.4 2.9 2.9 2.9 2.9 2.9 2.9 2.9	258 360 814 2560 2869 35 54 55 56 58 58 59	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CB2R_HUMAN SLA1_BACAN PPS2_BACSU RBP1_PLAVB SCKK_TITSE PSBK_EUGGR	P17960 trypanosoma P53551 saccharomyc P34972 homo sapien P49051 bacillus an P39846 bacillus su Q00798 plasmodium P56219 tityus serr P31481 euglena gra Q9ms58 euglena ste P10348 marchantia P41598 pinus thunb P02430 escherichia O54300 salmonella P12163 spinacia ol P46184 buchnera ap
18	6	2.9	61	1	PSBK_LOTJA	P25877 hordeum vul Q9bbs2 lotus

SUMMARIES

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                                                            095053 homo sapien
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                  5.9
                         212 11 Q9D6V5
                                                            Q9d6v5 mus musculu
                        212 11 Q9CQD7
     3
            12
                  5.9
                                                            Q9cqd7 mus musculu
     4
             8
                  3.9
                        133 16 Q9HTK6
                                                            Q9htk6 pseudomonas
     5
             8
                  3.9
                         340 16 069810
                                                            O69810 streptomyce
     6
                         436 5 Q23653
                  3.9
                                                           Q23653 caenorhabdi
     7
             8
                  3.9
                         801 16 Q9A0I0
                                                            Q9a0i0 streptococc
     8
             7
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                         114 2 032461
                                                           032461 actinomadur
     9
             7
                  3.4
                         118 6 Q95JV4
                                                           Q95jv4 macaca fasc
    10
             7
                  3.4
                         133 12 083891
                                                            Q83891 ovine adeno
    11
             7
                  3.4
                         144 16 Q9KC58
                                                            Q9kc58 bacillus ha
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             7
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                         150 17 030263
                                                            030263 archaeoglob
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                        151 5 Q19809
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                                                           Q19809 caenorhabdi
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                                                            Q9rty2 deinococcus
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                                                            Q92q39 rhizobium m
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283 10 004195
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                  3.4
                                                            Q98241 molluscum c
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                                                            004195 arabidopsis
RESULT 7
US-08-318-193-16
; Sequence 16, Application US/08318193
; Patent No. 5641663
; GENERAL INFORMATION:
    APPLICANT: GARVIN, Robert T.
    APPLICANT: MALEK, Lawrence T.
    TITLE OF INVENTION: AN EXPRESSION SYSTEM FOR THE SECRETION
    TITLE OF INVENTION: OF BIOACTIVE HUMAN GRANULOCYTE MACROPHAGE COLONY
TITLE OF INVENTION: STIMULATING FACTOR (GM-CSF) AND OTHER HETEROLOGOUS
TITLE OF INVENTION: PROTEINS FROM STREPTOMYCES
    NUMBER OF SEQUENCES: 91
    CORRESPONDENCE ADDRESS:
      ADDRESSEE: Foley & Lardner
      STREET: 1800 Diagonal Road, Suite 500
     CITY: Alexandria
STATE: Virginia
      COUNTRY: USA
      ZIP: 22313-0299
    COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
     OPERATING SYSTEM: PC-DOS/MS-DOS
     SOFTWARE: PatentIn Release #1.0, Version #1.25
   CURRENT APPLICATION DATA:
     APPLICATION NUMBER: US/08/318,193
     FILING DATE:
     CLASSIFICATION: 435
   PRIOR APPLICATION DATA:
     APPLICATION NUMBER: US/07/935,314
     FILING DATE:
     APPLICATION NUMBER: US 07/224,568
   ATTORNEY/AGENT INFORMATION:
     NAME: BENT, Stephen A.
     REGISTRATION NUMBER: 29,768
     REFERENCE/DOCKET NUMBER: 18740/116 CACO
   TELECOMMUNICATION INFORMATION:
     TELEPHONE: (703)836-9300
     TELEFAX: (703)683-4109
     TELEX: 899149
INFORMATION FOR SEQ ID NO: 16:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 144 amino acids
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TYPE: amino acid
         TOPOLOGY: linear
       MOLECULE TYPE: protein
  US-08-318-193-16
    Query Match 2.9%; Score 6; DB 1; Length 144; Best Local Similarity 100.0%; Pred. No. 1.6e+02;
    Matches 6; Conservative 0; Mismatches 0; Indels
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        113 SVPLTN 118
            Db
         85 SVPLTN 90
  RESULT 10
  PCT-US93-00643-11
  ; Sequence 11, Application PC/TUS9300643
  ; GENERAL INFORMATION:
      APPLICANT: Baylink, David J. APPLICANT: Linkhart, Susan
      TITLE OF INVENTION: AMINO PROCOLLAGEN 1(I) PEPTIDES NUMBER OF SEQUENCES: 11
      CORRESPONDENCE ADDRESS:
        ADDRESSEE: Townsend and Townsend
        STREET: One Market Plaza, Steuart Street Tower
        CITY: San Francisco
        STATE: CA
        COUNTRY: USA
        ZIP: 94105-1492
      COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
      CURRENT APPLICATION DATA:
       APPLICATION NUMBER: PCT/US93/00643
        FILING DATE: 19930125
        CLASSIFICATION:
      ATTORNEY/AGENT INFORMATION:
       NAME: Parmelee, Steven W.
        REGISTRATION NUMBER: 31,990
       REFERENCE/DOCKET NUMBER: 14508-3
     TELECOMMUNICATION INFORMATION:
      TELEPHONE: (206) 467-9600
       TELEFAX: (415) 543-5043
   INFORMATION FOR SEQ ID NO: 11:
     SEQUENCE CHARACTERISTICS:
       LENGTH: 160 amino acids
       TYPE: AMINO ACID
       STRANDEDNESS: single
       TOPOLOGY: linear
     MOLECULE TYPE: peptide
PCT-US93-00643-11
  Query Match
                         2.9%; Score 6; DB 5; Length 160;
  Best Local Similarity 100.0%; Pred. No. 1.8e+02;
  Matches 6; Conservative 0; Mismatches 0; Indels
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Qу
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Db
       82 PGAEVP 87
RESULT 9
US-08-479-233-11
; Sequence 11, Application US/08479233
; Patent No. 5599679
; GENERAL INFORMATION:
    APPLICANT: Baylink, David J.
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APPLICANT: Linkhart, Susan
      TITLE OF INVENTION: AMINO PROCOLLAGEN 1(I) PEPTIDE NUMBER OF SEQUENCES: 11
      CORRESPONDENCE ADDRESS:
        ADDRESSEE: Townsend and Townsend
        STREET: One Market Plaza, Steuart Street Tower
       CITY: San Francisco
        STATE: CA
       COUNTRY: USA
       ZIP: 94105-1492
      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
       SOFTWARE: PatentIn Release #1.0, Version #1.25
      CURRENT APPLICATION DATA:
       APPLICATION NUMBER: US/08/479,233
        FILING DATE:
        CLASSIFICATION: 435
      PRIOR APPLICATION DATA:
        APPLICATION NUMBER: US/07/829,142
       FILING DATE:
     ATTORNEY/AGENT INFORMATION:
       NAME: Parmelee, Steven W.
       REGISTRATION NUMBER: 31,990
       REFERENCE/DOCKET NUMBER: 14508-3
     TELECOMMUNICATION INFORMATION:
       TELEPHONE: (206) 467-9600
       TELEFAX: (415) 543-5043
   INFORMATION FOR SEQ ID NO: 11:
     SEQUENCE CHARACTERISTICS:
       LENGTH: 160 amino acids
       TYPE: amino acid
       STRANDEDNESS: single
       TOPOLOGY: linear
    MOLECULE TYPE: peptide
US-08-479-233-11
  Query Match 2.9%; Score 6; DB 1; Length 160; Best Local Similarity 100.0%; Pred. No. 1.8e+02;
 Matches 6; Conservative 0; Mismatches 0; Indels
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Qу
          +11111
Db
       82 PGAEVP 87
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SEQ ID NO: 2

SUMMARIES

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8	223	19.8	181	21	AAY83613	Mature beta chain

9	222	19.7	181	20	AAY26151	Phospholipase A2 i
10	212	18.8	181	20	AAY26159	Phospholipase A2 i
11	211	18.7	181	20	AAY26158	Phospholipase A2 i
12	204.5	18.1	182	20	AAY26152	Phospholipase A2 i
13	186.5	16.5	182	20	AAY26165	Phospholipase A2 i
14	167	14.8	220	23	AAU10477	Mouse pancreatic p
15	162	14.4	201	22	AAE03680	Python reticulatus
16	156	13.8	182	22	AAE03682	Python reticulatus
17	136	12.1	335	21	AAB26241	Human urokinase-ty
18	135	12.0	299	22	AAU07611	Human u-PAR deleti
19	135	12.0	335	7	AAP60436	Sequence of human
20	135	12.0	335	11	AAR07561	Recombinant urokin
21	135	12.0	335	14	AAR44424	Human phospholipas
22	135	12.0	335	15	AAR58707	Human phospholipas
23	135	12.0	335	17	AAR97612	Human urokinase pl
24	135	12.0	335	18	AAW31165	Human phospholipas
25	135	12.0	335	20	AAY04103	Urokinase-type pla
26	135	12.0	335	22	AAU04454	Human urokinase-ty
27	135	12.0	335	22	AAU07610	Human u-PAR substi
28	132.5	11.7	202	21	AAY83648	NSI Phospholipase
29	132	11.7	202	21	AAY83582	Phospholipase A_2
30	128.5	11.4	183	20	AAY26143	Phospholipase A2 i
31	128	11.3	231	22	AAM25880	Human protein sequ
32	126	11.2	182	20	AAY26111	Phospholipase A2 i
33	125.5	11.1	183	20	AAY26135	Phospholipase A2 i
34	125.5	11.1	183	20	AAY26157	Phospholipase A2 i
35	125.5	11.1	183	21	AAY83610	Mature alpha chain
36	125	11.1	202	21	AAY83583	Phospholipase A_2
37	124.5	11.0	183	20	AAY26137	Phospholipase A2 i
38	124.5	11.0	183	20	AAY26144	Phospholipase A2 i
39	124.5	11.0	183	20	AAY26149	Phospholipase A2 i
40	124.5	11.0	183	20	AAY26150	Phospholipase A2 i
41	124.5	11.0	183	20	AAY26112	Phospholipase A2 i
42	124.5	11.0	183	21	AAY83612	Mature alpha chain
43	124	11.0	182	20	AAY26110	Phospholipase A2 i
44	121.5	10.8	237	20	AAY02654	Human secreted pro
45	120.5	10.7	182	20	AAY26136	Phospholipase A2 i

Issued:

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17 18 19 20	97 97 96.5 96.5	8.6 8.6 8.6 8.6	123 123 1917 1917	4 4 4 4	US-09-318-503-7 US-09-038-261A-7 US-09-627-650B-5 US-09-436-063C-5	Sequence 7, Appli Sequence 7, Appli Sequence 5, Appli Sequence 5,

Result Query
No. Score Match Length DB ID

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1	228	20.2	185	1	JC2394	phospholipase A2 i
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3	165	14.6	330	1	JN0561	urokinase-type pla
4	141	12.5	188	1	JC2393	phospholipase A2 i
5	135	12.0	335	2	A39743	u-plasminogen acti
6	119.5	10.6	327	2	A55356	urokinase-type pla
7	118	10.5	328	2	S42152	urinary plasminoge
8	118	10.5	5376	2	T42215	zonadhesin - mouse
9	117	10.4	126	2	S53340	CD59 protein - rat
10	113	10.0	1101	2	T16840	hypothetical prote
11	111	9.8	506	2	A40679	transcription enha
12	111	9.8	523	2	B40679	transcription enha
13	102.5	9.1	1360	2	T12064	DNA binding protei
14	102	9.0	2907	2	A57278	fibrillin-2 precur

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